

March 5, 1950.

Dr. R. Dulbecco,
Dept. Biology,
Caltech,
Pasadena, Calif.

Dear Renato:

Enclosed are a couple of K-12 mutant cultures that I understand you want for class purposes. You should have no trouble.

58-161 is Biotin, methionineless; otherwise +.

W-1177 is a multiple marker stock : Threonine, leucine, thiamine;

also Lac⁻, Mal⁻, Xyl⁻, Mtl⁻, Gal⁺, Arg⁺, Vi^R, S^R

(lactose, maltose, xylose, mannitol, galactose, arabinose, /1,5;
and streptomycin resistant. The galactose and arabinose are less
easily scored (on EMB agar) than the others.)

Cultures grown overnight at 37 from small inocula can be used without re-growing. Do not shake or aerate. Wash as described in my '47 Genetics paper.

By plating on synthetic lactose EMB (see PNAS 35:178 '49), the segregation of Lac among the prototrophs can be observed directly.

I'll be interested to hear how this works out.

Best wishes,

Sincerely,

Joshua Lederberg